



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

VIA ELECTRONIC MAIL

July 30, 2019

Aaron Meyers
Site Acquisition
Centerline Communications, LLC
750 W. Center Street, Floor 3
West Bridgewater, MA 02379

RE: **EM-CING-002-190715** – New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 401 Wakelee Avenue, Ansonia, Connecticut.

Dear Mr. Meyers:

The Connecticut Siting Council (Council) is in receipt of your correspondence of July 19, 2019 submitted in response to the Council's July 18, 2019 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The submission renders the request for exempt modification complete and the Council will process the request in accordance with the Federal Communications Commission 60-day timeframe.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MAB/IN/emr

c: David Ford, Centerline Communications



Robidoux, Evan

From: David Ford <dford@clinellc.com>
Sent: Friday, July 19, 2019 1:52 PM
To: Robidoux, Evan
Cc: Aaron Meyers; David Ford; CSC-DL Siting Council
Subject: RE: Council Incomplete Letter for EM-CING-002-190705-WakeleeAve-Ansonia // CT2091
Attachments: em-cing-002-190715_incompletelettr_WakeleeAve.pdf; CT2091_LTE_4C_5C_CD_REV1_07.19.19.pdf

Evan,

In response to the CSC memo dated 7/15, please see the attached updated drawings. We'll submit a hard copy via mail as well.

Thanks

From: Robidoux, Evan <Evan.Robidoux@ct.gov>
Sent: Friday, July 19, 2019 9:26 AM
To: Aaron Meyers <ameyers@clinellc.com>
Cc: CSC-DL Siting Council <Siting.Council@ct.gov>
Subject: Council Incomplete Letter for EM-CING-002-190705-WakeleeAve-Ansonia

Please see the attached correspondence.

Evan Robidoux
Clerk Typist
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

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July 17, 2019

Aaron Meyers
Site Acquisition
Centerline Communications
750 West Center Street, Floor 3
West Bridgewater, MA 02379

RE: **EM-CING-002-190715** – New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 401 Wakelee Avenue, Ansonia, Connecticut.

Dear Mr. Meyers:

The Connecticut Siting Council (Council) received a notice of intent to modify the above-referenced facility on July 15, 2019.

According to Section 16-50j-71 of the Regulations of Connecticut State Agencies, "...any modification, as defined in Section 16-50j-2a of the Regulations of Connecticut State Agencies, to an existing tower site, except as specified in Sections 16-50j-72 and 16-50j-88 of the Regulations of Connecticut State Agencies, may have a substantial adverse environmental effect."

Staff has reviewed this exempt modification request for completeness and has identified a deficiency in the Construction Drawings (CD) prepared by Hudson Design Group and last revised July 3, 2019. The above-referenced document cites the 2012 International Building Code (IBC) (please see sheet no. GN-1 under General Notes, item No. 20); however, the State of Connecticut has adopted the 2015 IBC as amended in the 2018 Connecticut State Building Code (CSBC) effective October 1, 2018.

Therefore, the exempt modification request is incomplete at this time. The Council recommends that Centerline Communications provide an updated CD that comports with the current 2018 CSBC on or before August 16, 2019. If additional time is needed to gather the requested information, please submit a written request for an extension of time prior to August 16, 2019. **Please provide an electronic version and one hard copy of the CD for the incomplete request to be rendered complete and processed.**

This notice of incompleteness shall have the effect of tolling the Federal Communications Commission (FCC) 60-day timeframe in accordance with Paragraph 217 of the FCC Wireless Infrastructure Report and Order issued on October 21, 2014 (FCC 14-153).

Thank you for your attention to this matter. Should you have any questions, please feel free to contact me at 860-827-2951.

Sincerely,

Melanie Bachman
Executive Director

MAB/IN/emr

c: The Honorable David Cassetti, Mayor, City of Ansonia
David Blackwell, Sr., Zoning Enforcement/Anti-Blight Officer, City of Ansonia

PROJECT INFORMATION

SCOPE OF WORK: ITEMS TO BE MOUNTED ON THE EXISTING TOWER:

- NEW AT&T ANTENNAS: (OPA65R-BU6BA) (TYP. OF 1 PER ALPHA & GAMMA SECTORS, TOTAL OF 2).
- NEW AT&T ANTENNAS: (OPA65R-BU8BA) (TYP. OF 1 PER BETA SECTOR).
- NEW AT&T RRUS: RRUS- E2 B29 (700) (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- NEW AT&T SURGE ARRESTOR: DC6-48-60-18-8C-EV (TOTAL OF 1) & (2) DC CABLES.

ITEMS TO BE MOUNTED AT GROUND LEVEL:

- INSTALL (1) RACK MOUNTED DC12
- INSTALL (6) TELCO FLEX

ITEMS TO REMAIN:

- (6) ANTENNAS, (18) RRU'S, (12) COAX CABLES, (6) DC POWER & (2) 18PAIR FIBER.

SITE ADDRESS: 401 WAKELEE AVENUE
ANSONIA, CT 06401

LATITUDE: 41.356075 N, 42° 21' 21.87" N

LONGITUDE: 73.092026 W, 73° 5' 31.30" W

TYPE OF SITE: SELF SUPPORT TOWER/ INDOOR EQUIPMENT

STRUCTURE HEIGHT: 195'-0"±

RAD CENTER: 167'-0"±

CURRENT USE: TELECOMMUNICATIONS FACILITY

PROPOSED USE: TELECOMMUNICATIONS FACILITY



SITE NUMBER: CT2091

SITE NAME: ANSONIA NW_SPECTRASITE TOWER

FA CODE:10035308

PACE ID: MRCTB038055

PROJECT: LTE 7C_2019 UPGRADE

DRAWING INDEX

SHEET NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	1
GN-1	GENERAL NOTES	1
A-1	COMPOUND & EQUIPMENT PLANS	1
A-2	ANTENNA LAYOUTS	1
A-3	ELEVATION	1
A-4	DETAILS	1
G-1	GROUNDING DETAILS	1
RF-1	RF PLUMBING DIAGRAM	1

VICINITY MAP

DIRECTIONS TO SITE:

HEAD NORTHEAST TOWARD LEGGATT McCALL CONN. TURN LEFT ONTO LEGGATT McCALL CONN. CONTINUE ONTO BURR ST. TURN LEFT ONTO COCHITUATE RD. TAKE THE RAMP TO I-90 E/MASSPIKE W/SPRINGFIELD/BOSTON. KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR I-90 W/MASSPIKE W/SPRINGFIELD/BOSTON AND MERGE ONTO I-90 W MASSPIKE. MERGE ONTO I-90W MASSPIKE .TAKE EXIT 9 FOR I-84 TOWARD US-20/HARTFORD/NYC. CONTINUE ONTO I-84. KEEP RIGHT TO STAY ON I-84 TAKE EXIT 19 ON THE LEFT TO MERGE ONTO CT-8 S TOWARD NAUGATUCK/BRIDGEPORT. TAKE EXIT 19 TOWARD CT-334/WAKELEE AVE/ANSONIA. TURN LEFT ONTO DERBY AVE. CONTINUE ONTO CT-334 E. TURN RIGHT END AT 401 WAKELEE AVE.



GENERAL NOTES

1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T MOBILITY REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
4. CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORD'S STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN.

72 HOURS

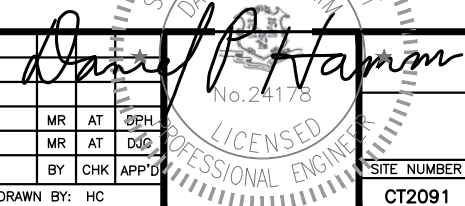


CALL BEFORE YOU DIG



CALL TOLL FREE 1-800-922-4455
OR CALL 811

UNDERGROUND SERVICE ALERT



ATC SITE NAME: ANSONIA WAKELEE
ATC SITE #: 302470

HGD HUDSON Design Group LLC
45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

CENTERLINE COMMUNICATIONS
750 WEST CENTER STREET., SUITE #301
WEST BRIDGEWATER, MA 02379

SITE NUMBER: CT2091
SITE NAME: ANSONIA NW_SPECTRASITE TOWER
ATC SITE#: 302470
401 WAKELEE AVENUE
ANSONIA, CT 06401
NEW HAVEN COUNTY

at&t
550 COCHITUATE ROAD
FRAMINGHAM, MA 01701

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	07/19/19	ISSUED FOR CONSTRUCTION	MR	AT	DPH
A	06/28/19	ISSUED FOR REVIEW	MR	AT	DJG

SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: HC

AT&T	
TITLE SHEET LTE 7C_2019 UPGRADE	
SITE NUMBER	DRAWING NUMBER
CT2091	T-1
REV	
	1

GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTNING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
4. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS #2 AWG STRANDED COPPER FOR OUTDOOR BTS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 CONTRACTOR – CENTERLINE
 SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)
 OWNER – AT&T MOBILITY
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.

14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCH UP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
16. CONSTRUCTION SHALL COMPLY WITH SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T SITES."
17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
20. APPLICABLE BUILDING CODES:
 SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE: IBC 2015 WITH 2018 CT STATE BUILDING CODE AMENDMENTS
 ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE (NFPA 70-2017)

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION, ASD, FOURTEENTH EDITION;

TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARDS FOR STEEL

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS					
AGL	ABOVE GRADE LEVEL	EQ	EQUAL	REQ	REQUIRED
AWG	AMERICAN WIRE GAUGE	GC	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
BBU	BATTERY BACKUP UNIT	GRC	GALVANIZED RIGID CONDUIT	TBD	TO BE DETERMINED
BTCW	BARE TINNED SOLID COPPER WIRE	MGB	MASTER GROUND BAR	TBR	TO BE REMOVED
BGR	BURIED GROUND RING	MIN	MINIMUM	TBRR	TO BE REMOVED AND REPLACED
BTS	BASE TRANSCEIVER STATION	P	PROPOSED	TYP	TYPICAL
E	EXISTING	NTS	NOT TO SCALE	UG	UNDER GROUND
EGB	EQUIPMENT GROUND BAR	RAD	RADIATION CENTER LINE (ANTENNA)	VIF	VERIFY IN FIELD
EGR	EQUIPMENT GROUND RING	REF	REFERENCE		

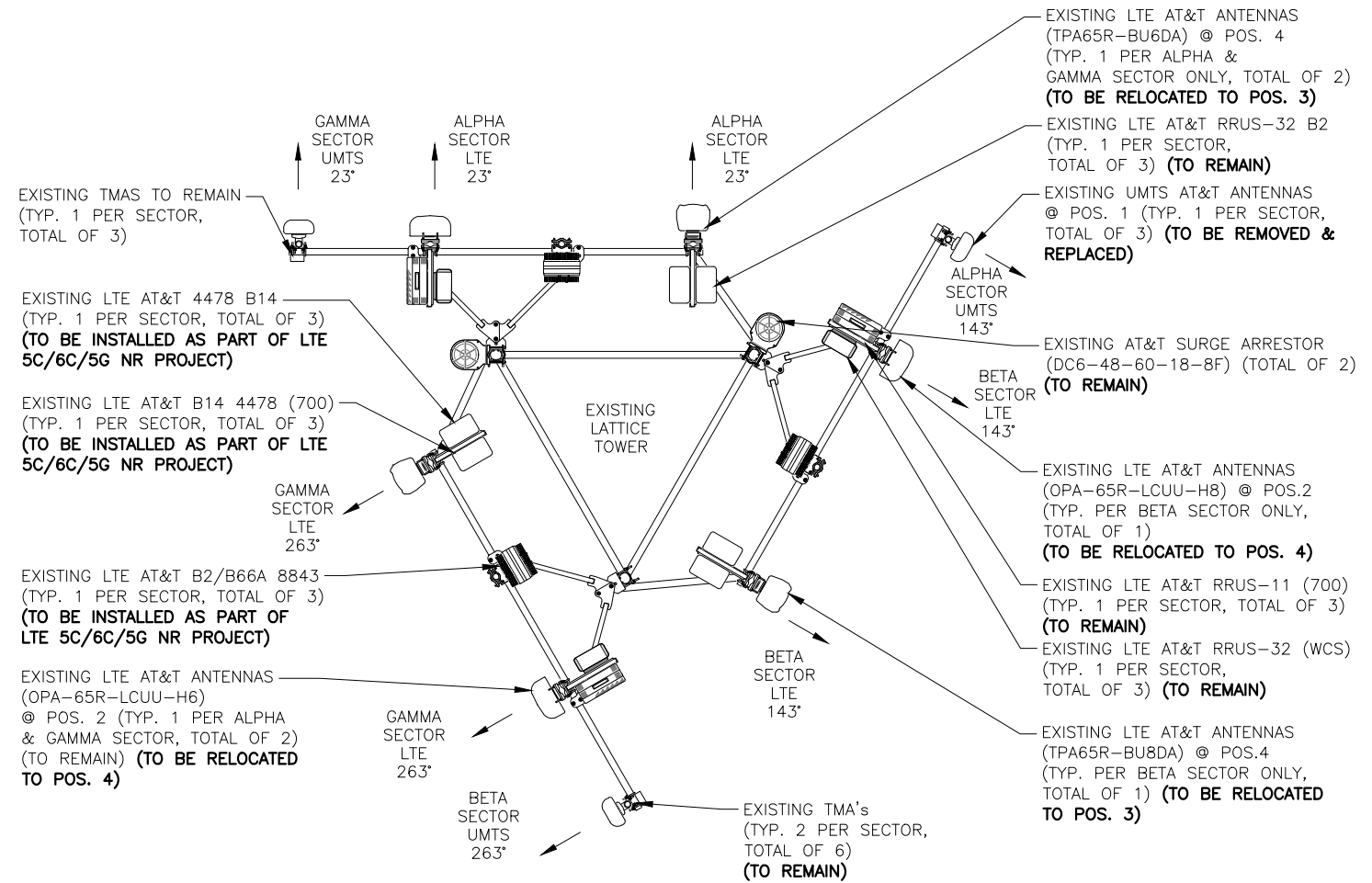
 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845 TEL: (978) 557-5553 FAX: (978) 336-5586	 750 WEST CENTER STREET., SUITE #301 WEST BRIDGEWATER, MA 02379	SITE NUMBER: CT2091 SITE NAME: ANSONIA NW SPECTRASITE TOWER ATC SITE#: 302470 401 WAKELEE AVENUE ANSONIA, CT 06401 NEW HAVEN COUNTY	 550 COCHITUATE ROAD FRAMINGHAM, MA 01701	SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: HC			AT&T GENERAL NOTES LTE 7C_2019 UPGRADE	SITE NUMBER: CT2091 DRAWING NUMBER: GN-1 REV: 1
				1 07/19/19 ISSUED FOR CONSTRUCTION MR AT DPH A 06/28/19 ISSUED FOR REVIEW MR AT DPH	NO. DATE REVISIONS BY CHK APP'D			

NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING ANTENNA MOUNT TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY: HUDSON DESIGN GROUP, LLC. DATED: JUNE 26, 2019

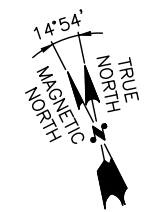
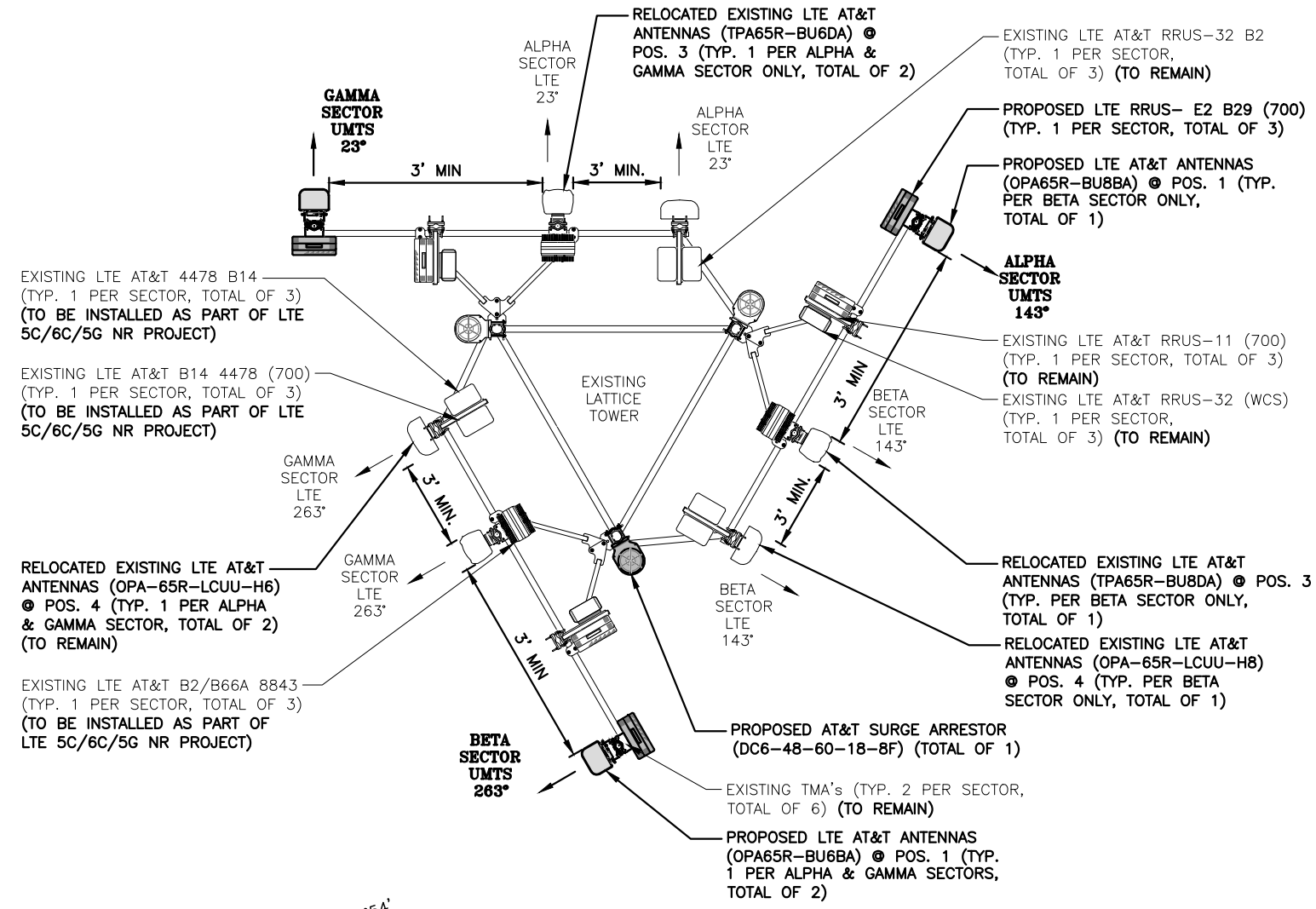
SPECIAL CONSTRUCTION/PLANNING NOTE:
EQUIPMENT SHOWN AS "TO BE INSTALLED AS PART OF LTE 5C/6C 5G NR PROJECT" REFERS TO RECORD DRAWINGS AND NOT ACTUAL FIELD CONDITIONS. DEPLOYMENT OF EQUIPMENT "TO BE INSTALLED AS PART OF LTE 5C/6C/5G NR PROJECT" UNDER A SEPARATE BUILDING PERMIT PRIOR TO CONSTRUCTION START OF THIS PROJECT.

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
ALL ANTENNAS AND RRHS TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY AMERICAN TOWER AND FINAL RF DATA SHEET



EXISTING ANTENNA LAYOUT 1
SCALE: N.T.S. A-2



PROPOSED ANTENNA LAYOUT 2
SCALE: N.T.S. A-2

HG HUDSON Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

CENTERLINE COMMUNICATIONS
750 WEST CENTER STREET., SUITE #301
WEST BRIDGEWATER, MA 02379

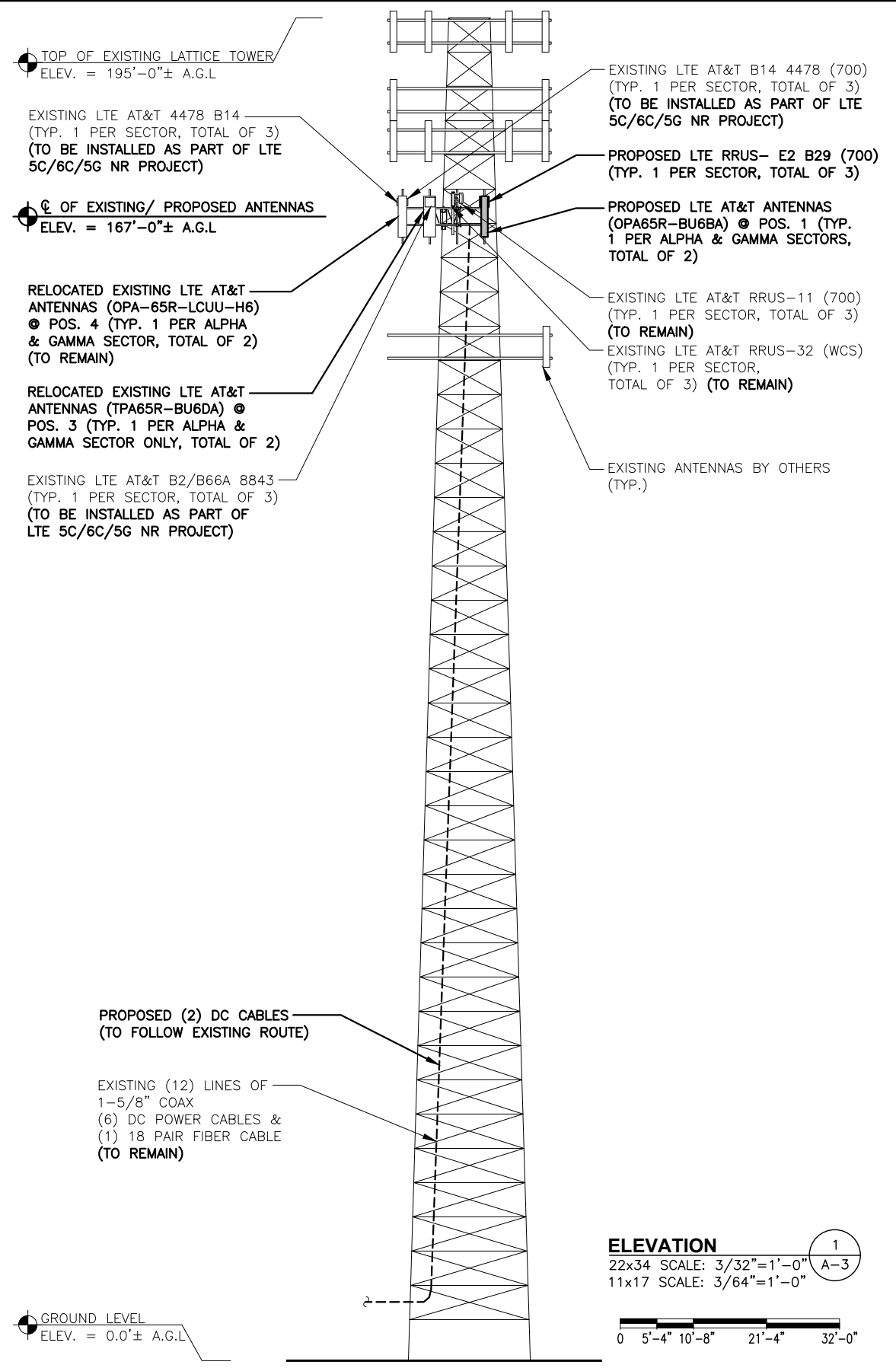
SITE NUMBER: CT2091
SITE NAME: ANSONIA NW SPECTRASITE TOWER
ATC SITE#: 302470
401 WAKELEE AVENUE
ANSONIA, CT 06401
NEW HAVEN COUNTY

at&t
550 COCHITUATE ROAD
FRAMINGHAM, MA 01701

1	07/19/19	ISSUED FOR CONSTRUCTION	MR	AT	DPH
A	06/28/19	ISSUED FOR REVIEW	MR	AT	D&G
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: HC		

Daniel P. Hamm
STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

AT&T
ANTENNA LAYOUTS
LTE 7C_2019 UPGRADE
SITE NUMBER: CT2091
DRAWING NUMBER: A-2
REV: 1



NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

SPECIAL CONSTRUCTION/PLANNING NOTE:
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NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING **ANTENNA MOUNT** TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY:
HUDSON DESIGN GROUP, LLC.
DATED: JUNE 26, 2019

NOTE:
ALL ANTENNAS AND RRHS TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY AMERICAN TOWER AND FINAL RF DATA SHEET

HG HUDSON
Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

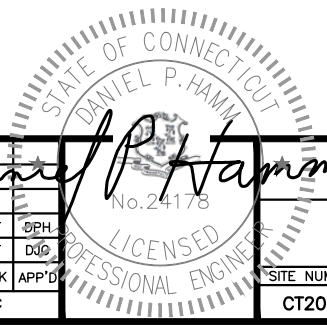
CENTERLINE
COMMUNICATIONS
750 WEST CENTER STREET., SUITE #301
WEST BRIDGEWATER, MA 02379

SITE NUMBER: CT2091
SITE NAME: ANSONIA NW SPECTRASITE TOWER
ATC SITE#: 302470
401 WAKELEE AVENUE
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NEW HAVEN COUNTY

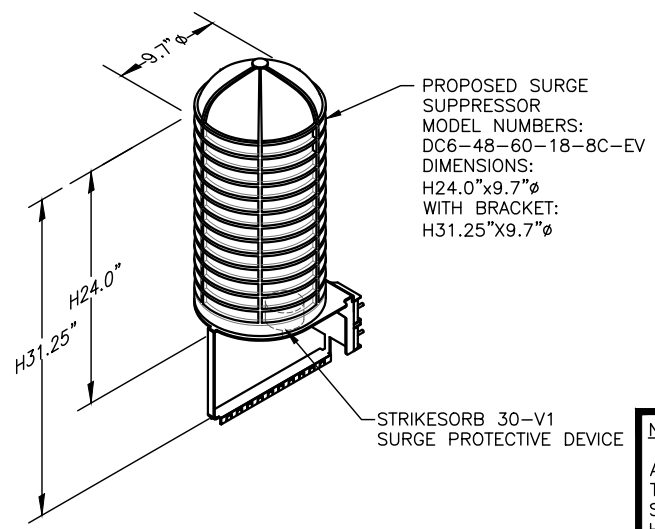
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A	06/28/19	ISSUED FOR REVIEW	MR	AT	DJG

SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: HC



AT&T	
ELEVATION	
LTE 7C_2019 UPGRADE	
SITE NUMBER	DRAWING NUMBER
CT2091	A-3
REV	1



PROPOSED SURGE SUPPRESSOR
 MODEL NUMBERS:
 DC6-48-60-18-8C-EV
 DIMENSIONS:
 H24.0"x9.7"φ
 WITH BRACKET:
 H31.25"x9.7"φ

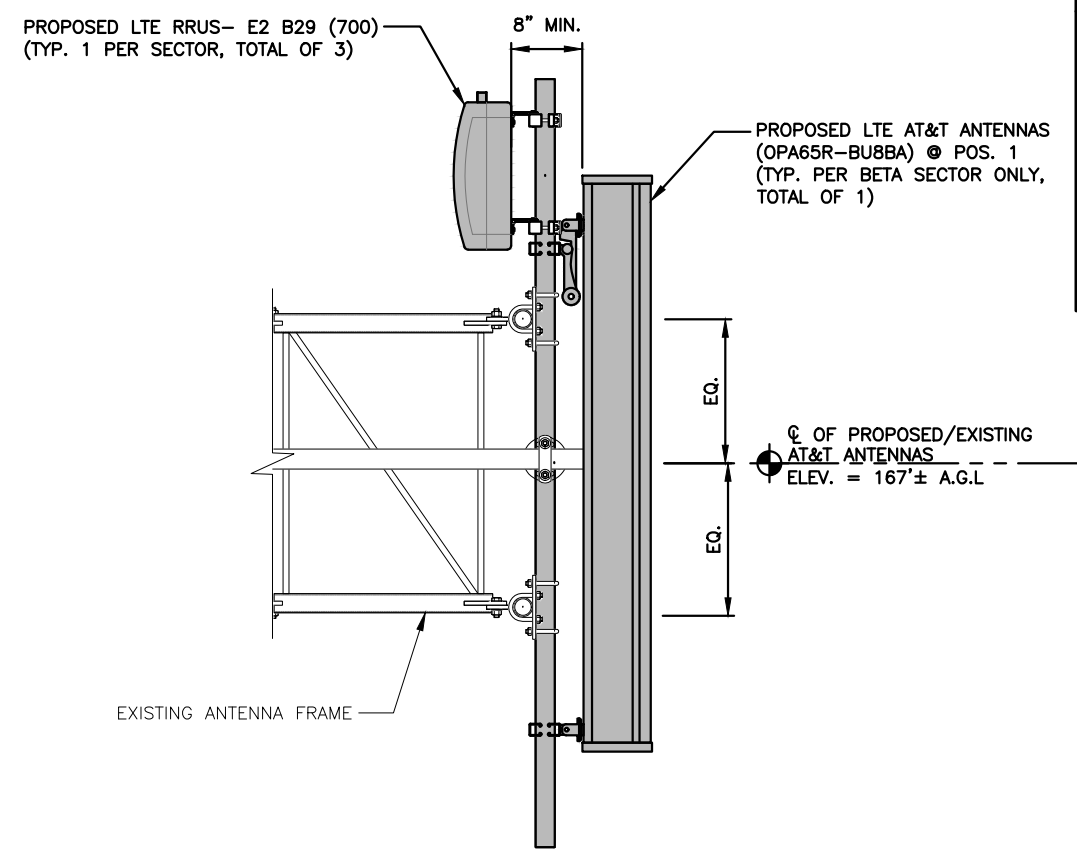
NOTE:
 REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
 ALL ANTENNAS AND RRHS TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY AMERICAN TOWER AND FINAL RF DATA SHEET

NOTE:
 AN ANALYSIS FOR THE CAPACITY OF THE EXISTING ANTENNA MOUNT TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY:
 HUDSON DESIGN GROUP, LLC.
 DATED: JUNE 26, 2019

NOTE:
 MOUNT PER MANUFACTURER'S SPECIFICATIONS.

DC SURGE SUPPRESSOR DETAIL
 SCALE: N.T.S.



PROPOSED LTE ANTENNA & RRH MOUNTING DETAIL

22x34 SCALE: 1"=1'-0"
 11x17 SCALE: 1/2"=1'-0"

ANTENNA SCHEDULE											
SECTOR	EXISTING/PROPOSED	BAND	ANTENNA	SIZE (INCHES) (L x W x D)	ANTENNA Q. HEIGHT	AZIMUTH	TMA/DIPLEXER	RRU	SIZE (INCHES) (L x W x D)	FEEDER	RAYCAP
A1	PROPOSED	UMTS 850	OPA65R-BU6BA	71.1X11.7X8.4	±167'	23°	(2) POWERWAVE LGP21901 (2) TT19-08BP111-001	(P)(1) RRUS-E2 B29	20.4x18.5x7.5	(2) 1-5/8 COAX	--
A2							--	--	--	--	(E)(1) RAYCAP DC6-48-60-18-8C
A3	EXISTING	LTE 700 B14/850/AWS/PCS	TPA65R-BU6DA	71.2X21X7.8	±167'	23°	(E)(2) DBCT108F1V92-1	(E)(1) B14 4478 (E)(1) 4478 B5 (E)(1) B2/B66A 8843	18.1x13.2x8.3 18.1X13.2X8.3 14.9X13.2X10.9	--	
A4	EXISTING	LTE 700 BC/1WCS	OPA-65R-LCUU-H6	72X14.8X7.4	±167'	23°	--	(E)(1) RRUS-11 (E)(1) RRUS-32	--	(2) 1-5/8 COAX	
B1	PROPOSED	UMTS 850	OPA65R-BU8BA	95.9X11.7X8.4	±167'	143°	(2) POWERWAVE LGP21901 (2) TT19-08BP111-001	(P)(1) RRUS-E2 B29	20.4x18.5x7.5	(2) 1-5/8 COAX	
B2							--	--	--	--	(E)(1) RAYCAP DC6-48-60-18-8C
B3	EXISTING	LTE 700 B14/850/AWS/PCS	TPA65R-BU8DA	96X21X7.8	±167'	143°	(E)(2) DBCT108F1V92-1	(E)(1) B14 4478 (E)(1) 4478 B5 (E)(1) B2/B66A 8843	18.1x13.2x8.3 18.1X13.2X8.3 14.9X13.2X10.9	--	
B4	EXISTING	LTE 700 BC/1WCS	OPA-65R-LCUU-H8	92.7X14.8X7.4	±167'	143°	--	(E)(1) RRUS-11 (E)(1) RRUS-32	--	(2) 1-5/8 COAX	
C1	PROPOSED	UMTS 850	OPA65R-BU6BA	71.1X11.7X8.4	±167'	263°	(2) POWERWAVE LGP21901 (2) TT19-08BP111-001	(P)(1) RRUS-E2 B29	20.4x18.5x7.5	(2) 1-5/8 COAX	
C2							--	--	--	--	(E)(1) RAYCAP DC6-48-60-18-8C (DC ONLY)
C3	EXISTING	LTE 700 B14/850/AWS/PCS	TPA65R-BU6DA	71.2X21X7.8	±167'	263°	(E)(2) DBCT108F1V92-1	(E)(1) B14 4478 (E)(1) 4478 B5 (E)(1) B2/B66A 8843	18.1x13.2x8.3 18.1X13.2X8.3 14.9X13.2X10.9	--	
C4	EXISTING	LTE 700 BC/1WCS	OPA-65R-LCUU-H6	72X14.8X7.4	±167'	263°	--	(E)(1) RRUS-11 (E)(1) RRUS-32	--	(2) 1-5/8 COAX	

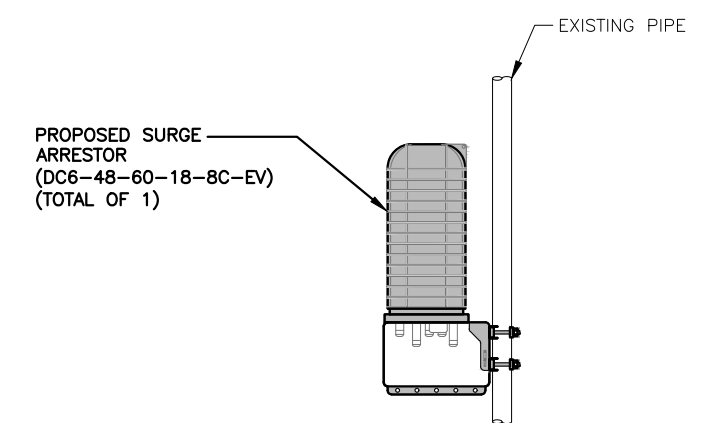
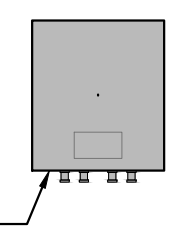
FINAL ANTENNA SCHEDULE
 SCALE: N.T.S.

RRU CHART					
QUANTITY	MODEL	L	W	D	
3(E)	RRUS-11	19.7"	17.0"	7.2"	
6(E)	RRUS-32	27.2"	12.1"	7.0"	
3(E)	4426 B66	15.0"	13.2"	7.4"	
3(E)	B14 4478	15.0"	13.2"	7.4"	
3(E)	8843 B2/B66A	14.9"	13.2"	10.9"	
3(P)	RRUS-E2 B29	20.4"	18.5"	7.5"	

NOTE:
 SEE RFDS FOR RRH FREQUENCY AND MODEL NUMBER

PROPOSED RRU REFER TO THE FINAL RFDS AND CHART FOR QUANTITY, MODEL AND DIMENSIONS

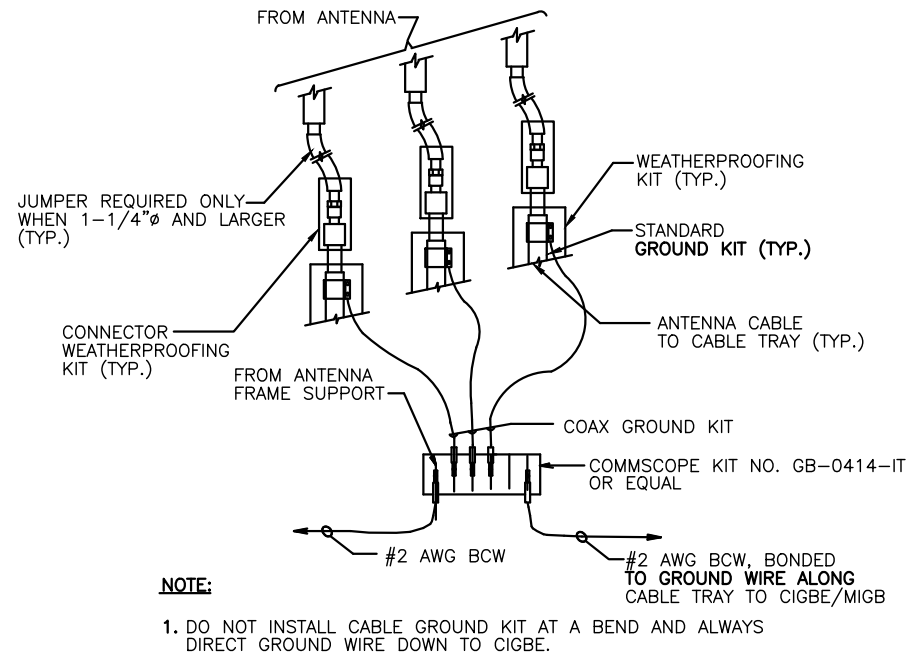
NOTE:
 MOUNT PER MANUFACTURER'S SPECIFICATIONS.



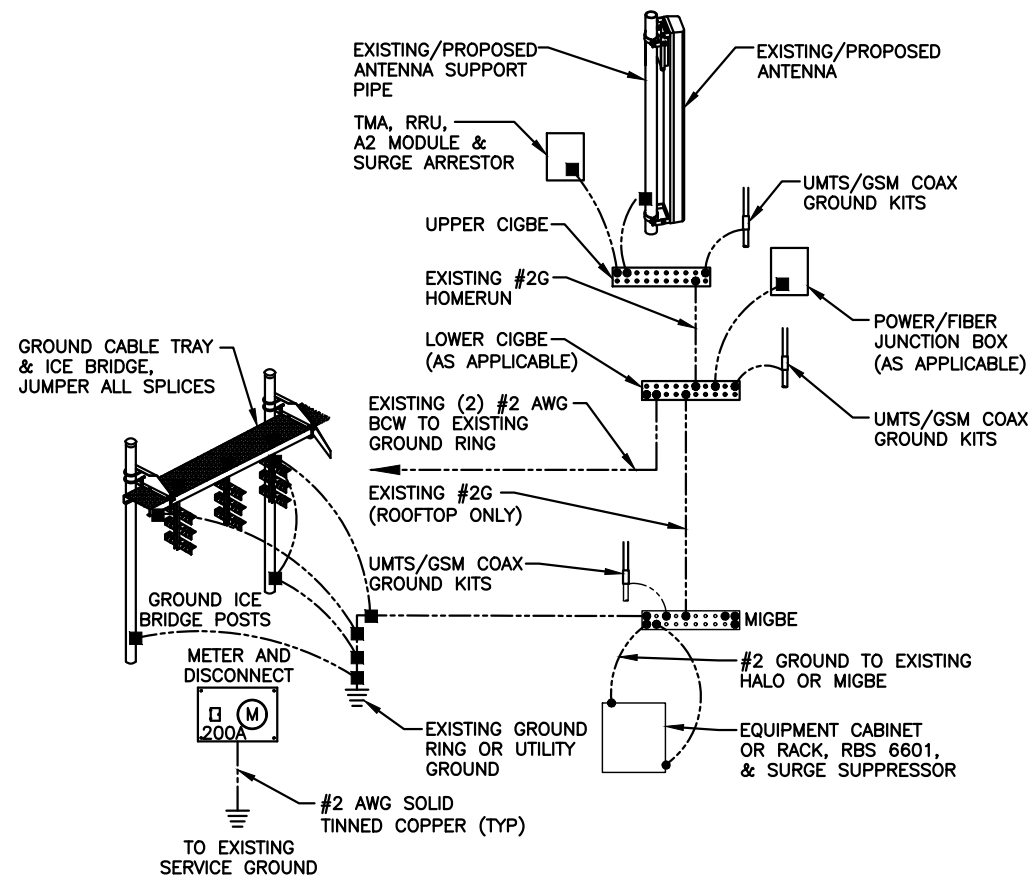
PROPOSED SURGE ARRESTOR (DC6-48-60-18-8C-EV) (TOTAL OF 1)

PROPOSED RRUS DETAIL
 SCALE: N.T.S.

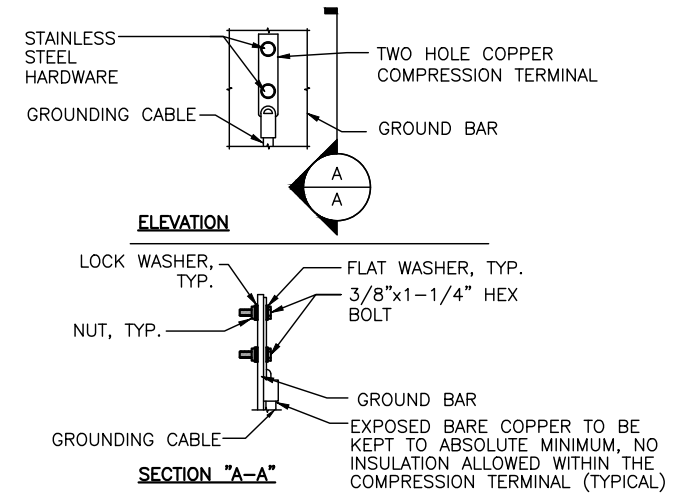
SURGE ARRESTOR MOUNTING DETAIL
 SCALE: 1/2"=1'-0"



GROUND WIRE TO GROUND BAR CONNECTION DETAIL 1
SCALE: N.T.S. G-1



GROUNDING RISER DIAGRAM 2
SCALE: N.T.S. G-1



- NOTES:
1. "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
 2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATION.
 3. CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB

TYPICAL GROUND BAR CONNECTION DETAIL 3
SCALE: N.T.S. G-1

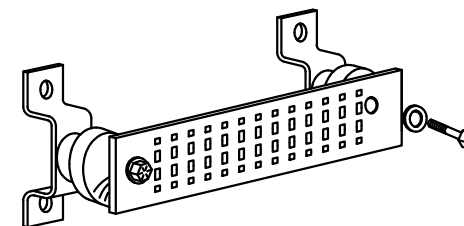
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION "P" - SURGE PRODUCERS

- CABLE ENTRY PORTS (HATCH PLATES) (#2 AWG)
- GENERATOR FRAMEWORK (IF AVAILABLE) (#2 AWG)
- TELCO GROUND BAR
- COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2 AWG)
- +24V POWER SUPPLY RETURN BAR (#2 AWG)
- 48V POWER SUPPLY RETURN BAR (#2 AWG)
- RECTIFIER FRAMES.

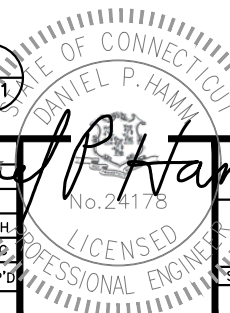
SECTION "A" - SURGE ABSORBERS

- INTERIOR GROUND RING (#2 AWG)
- EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2 AWG)
- METALLIC COLD WATER PIPE (IF AVAILABLE) (#2 AWG)
- BUILDING STEEL (IF AVAILABLE) (#2 AWG)

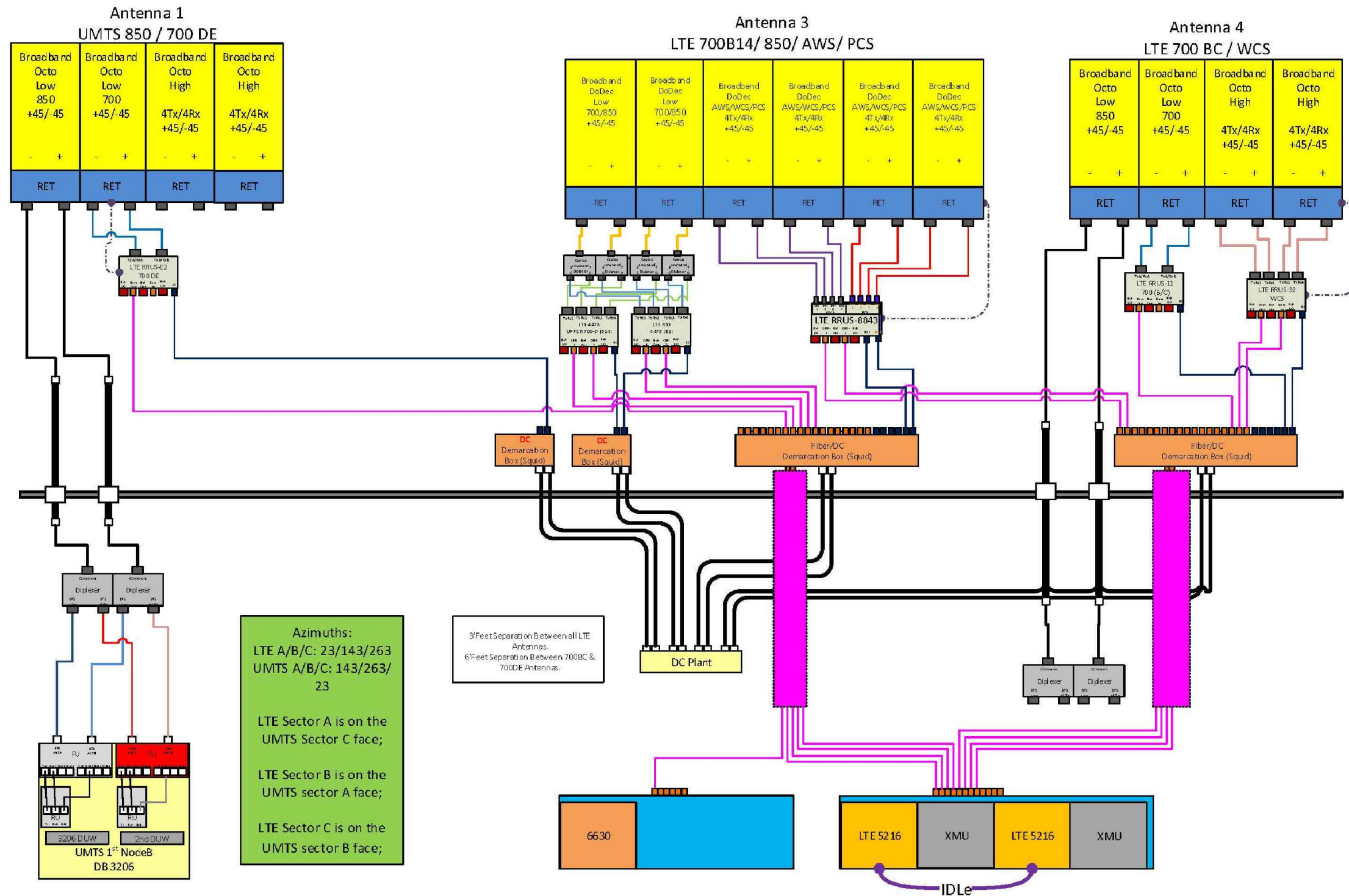


GROUND BAR - DETAIL 4
SCALE: N.T.S. G-1

1	07/19/19	ISSUED FOR CONSTRUCTION	MR	AT	DPH
A	06/28/19	ISSUED FOR REVIEW	MR	AT	DJG
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: HC		



AT&T	
GROUNDING DETAILS LTE 7C_2019 UPGRADE	
SITE NUMBER	DRAWING NUMBER
CT2091	G-1
REV	1



Azimuths:
 LTE A/B/C: 23/143/263
 UMTS A/B/C: 143/263/23

LTE Sector A is on the UMTS Sector C face;
 LTE Sector B is on the UMTS sector A face;
 LTE Sector C is on the UMTS sector B face;

3' Feet Separation Between all LTE Antennas.
 6' Feet Separation Between 700BC & 700DE Antennas.

RF PLUMBING DIAGRAM 1
 SCALE: N.T.S. RF-1

NOTE:
 1. CONTRACTOR TO CONFIRM ALL PARTS.
 2. INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS

NOTE:
 REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

1	07/19/19	ISSUED FOR CONSTRUCTION	MR	AT	DPH
A	06/28/19	ISSUED FOR REVIEW	MR	AT	DJC
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: HC		

AT&T		
RF PLUMBING DIAGRAM LTE 7C_2019 UPGRADE		
SITE NUMBER	DRAWING NUMBER	REV
CT2091	RF-1	1